

CHARGE NUMBER: 1005
PROJECT TITLE: Primary Process Development
PROJECT LEADER: E. G. Craze
DATE OF REPORT: October 8, 1985

TITLE: HAMBRO DRYER (T. Skidmore)

OBJECTIVE: Evaluate the Hambro vibrating fluidized bed dryer for use in drying tobacco materials during primary processing.

STATUS: Testing is underway to: 1) optimize the operating parameters for Marlboro cut filler, 2) conduct a head-to-head comparison with the Semiworks Adt dryer, and 3) evaluate the Hambro for use in drying strip and stem material.

PLANS: Investigate the potential for using the Hambro as a means for providing second stage reordering of DIET.

TITLE: Tandem Maker Cigarette (D. Albertson)

OBJECTIVE: To produce an ultra low weight cigarette on a continuous basis that has acceptable characteristics.

STATUS: The Tandem Maker hot air drying system was modified to increase the heating capacity and drying performance of the system. Preliminary test results at 200 cpm showed that the drying system was sufficient to produce a 5% OV change. However, firmness and loose ends were unsatisfactory at tobacco weights of approximately 500 mg.

PLANS: An investigation will be conducted to determine why acceptable firmness and loose ends cannot be achieved at target weights of 500-550 mg. of tobacco.

TITLE: Small Scale Processing (T. Skidmore)

OBJECTIVE: Develop a small scale process that will provide cigarette characteristics that are fully comparable to those of the full scale process.

2001116388

STATUS: Testing of the three most promising process variations is continuing. Preliminary data from separate tests indicated that the small scale batch size can be increased from 10 lb. to 20 lb. with no effect on blend uniformity and aftercut application.

PLANS: Complete the evaluation of the three most promising small scale processes.

TITLE: Make/Pack Operations (D. Albertson)

OBJECTIVES: Improve the performance and efficiency of the Semiworks Make/Pack operation.

STATUS: The equipment (Accuray unit and HCF tray filler) for upgrading the MKS maker module has been ordered with delivery expected the first part of 1986. A study is also underway to define the quality assurance requirements for the Semiworks make/pack operation.

PLANS: Finalize the quality assurance procedures and associated personnel requirements for the Semiworks make/pack operation.

TITLE: MARLBORO STANDARDIZATION (H. Nguyen)

OBJECTIVE: To produce Marlboro cigarettes as specified by the Marlboro Standardization Committee to access the quality of the Semiworks operation.

STATUS: Tobacco samples and process data were obtained at various locations throughout the Semiworks during the second Marlboro Standardization run. The results of sieve and CV/OV data were comparable to those obtained during the first standardization run in June, 1985.

PLANS: The test results are being compiled and will be presented to the Marlboro Standardization Committee.

E. G. Craze

E. G. Craze

200116389